

CLAIMS

1. A rim for a bicycle wheel with tubeless tyre, comprising:
  - 5        - a radially inner peripheral wall;
  - a radially outer peripheral wall; and
  - two circumferential side walls, which connect said inner and outer walls together,  
      in which said side walls extend radially outwards
  - 10      beyond said outer peripheral wall, forming two ribs  
      for providing an anchorage for a tubeless tyre, and  
      a valve body rigidly connected to said inner and  
      outer walls for blowing inflation air into the chamber  
      defined between the tyre and said outer peripheral wall
  - 15      (3) of the rim,  
      wherein said valve body is a valve body of the  
      standard type used for bicycle wheels with tyres  
      provided with inner tubes, and wherein said valve body  
      is connected to said inner and outer walls of the rim
  - 20      by means of an intermediate tubular element, which is  
      mounted inside two holes facing one another of said  
      inner and outer walls and which has a portion that  
      projects radially beyond said inner wall, in the  
      direction of the axis of the rim, the valve body being  
25      secured to said portion.
  2. The rim according to Claim 1, wherein the valve  
      body has an external surface with a threaded portion  
      screwed into a threaded portion of the internal surface  
      of the intermediate tubular element.
  - 30      3. The rim according to Claim 2, wherein the  
      threaded portion of the internal surface of the  
      intermediate tubular element, in which the valve body  
      is screwed, is formed at the end of the intermediate  
      tubular element (10).
  - 35      4. The rim according to any one of Claims 1 to 3,

wherein the intermediate tubular element has its radially external end bonded or welded to the outer peripheral wall of the rim.

5. The rim according to Claim 4, wherein the aforesaid radially external end of said intermediate tubular element is hermetically bonded or welded to the circumferential edge of the respective hole in the outer peripheral wall of the rim.

10. The rim according to Claim 5, wherein said intermediate tubular element is also bonded or welded to the inner peripheral wall of the rim.

15. The rim according to any one of Claims 4 to 6, wherein the radially external end of said intermediate tubular element has a front surface that is substantially flush with the external surface of the outer peripheral wall of the rim.

8. The rim according to any one of Claims 1 to 3, wherein the intermediate tubular element is connected in a disconnectable way to the rim.

20. 9. The rim according to Claim 8, wherein the intermediate tubular element has a radially external end portion mounted in a removable way in a bushing, which has its ends fixed within said facing holes of the outer peripheral wall and of the inner peripheral wall of the rim.

10. The rim according to Claim 9, wherein said bushing has its radially external end portion that is substantially flush with the external surface of the outer peripheral wall of the rim.

30. 11. The rim according to Claim 9, wherein said bushing is bonded or welded to the circumferential edges of said facing holes.

35. 12. The rim according to Claim 9, wherein between said intermediate tubular element and said bushing are set sealing means.

13. The rim according to Claim 12, wherein the sealing means comprise one or more O-rings.

14. The rim according to Claim 13, wherein the O-ring or rings are mounted in peripheral grooves of the 5 intermediate tubular element and are pressed into contact with the internal surface of said bushing.

15. The rim according to any one of Claims 9 to 14, wherein said intermediate tubular element is screwed into said bushing.

10 16. The rim according to Claim 15, wherein said intermediate tubular element has an annular contrast surface designed to engage the radially internal end surface of said bushing.

15 17. The rim according to any one of Claims 9 to 14, wherein said intermediate tubular element has a widened head that rests on the external surface of the outer peripheral wall of the rim and a threaded portion protruding beyond the inner peripheral wall in the direction of the axis of the rim, on which a nut is 20 screwed, so as to pull the aforesaid head (14) against its resting surface.

18. The rim according to Claim 8, wherein said intermediate tubular element is engaged directly through said holes facing one another and has an 25 widened end head that rests on the external surface of said outer peripheral wall and a threaded portion that protrudes beyond the inner peripheral wall, in the direction of the axis of the rim, and on which a nut is screwed so as to pull the aforesaid head against its 30 resting surface.

19. The rim according to Claim 18, wherein between said head and its resting surface are set sealing means.

20. The rim according to Claim 19, wherein said 35 sealing means comprise an O-ring mounted inside a front

annular groove made in the external surface of the outer peripheral wall of the rim, along the edge of the respective hole.